

Title (en)

ADAPTIVE BELT TENSIONER SYSTEM FOR CONTROL OF REVERSIBLE TORQUE LOAD PULLEY

Title (de)

ADAPTIVES RIEMENSPANNSSYSTEM ZUR STEUERUNG EINER RIEMENSCHLEIBER MIT UMSTEUERBARER DREHMOMENTLAST

Title (fr)

SYSTEME ADAPTATIF DE TENDEUR DE COURROIE POUR COMMANDE DE POULIE DE CHARGE REVERSIBLE

Publication

EP 1458994 A4 20061115 (EN)

Application

EP 02792345 A 20021206

Priority

- US 0239431 W 20021206
- US 1549301 A 20011212

Abstract (en)

[origin: US2003109342A1] A tensioner for an endless power transmission belt, the belt being driven about a sheave. The tensioner may comprise a base, a resilient device, and first and second arms pivotally coupled for movement in an open and a closed direction. The tensioner may also comprise first and second pulleys rotatably coupled to the first and second arms, the resilient device biasing the arms in the closed direction in which the first and second pulleys apply tension to the belt. The tensioner may also comprise first and second stops positioned outside the arms on the base to limit the movement of the arms in the open direction in response to an increase in tension in the belt.

IPC 1-7

F16H 7/12

IPC 8 full level

F16H 7/12 (2006.01); **F16H 7/08** (2006.01)

CPC (source: EP KR US)

F02B 67/06 (2013.01 - EP US); **F16H 7/12** (2013.01 - KR); **F16H 7/1281** (2013.01 - EP US); **F16H 57/0006** (2013.01 - EP US); **F16H 2007/081** (2013.01 - EP US); **F16H 2007/0846** (2013.01 - EP US); **F16H 2007/0874** (2013.01 - EP US); **F16H 2007/0878** (2013.01 - EP US)

Citation (search report)

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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SI SK TR

DOCDB simple family (publication)

US 2003109342 A1 20030612; **US 6689001 B2 20040210**; AR 038016 A1 20041222; AT E458932 T1 20100315; AU 2002357804 A1 20030623; AU 2002357804 B2 20080306; BR 0214885 A 20060530; CA 2469826 A1 20030619; CA 2469826 C 20100921; CN 100396964 C 20080625; CN 1602395 A 20050330; DE 60235495 D1 20100408; EP 1458994 A2 20040922; EP 1458994 A4 20061115; EP 1458994 B1 20100224; ES 2342460 T3 20100707; JP 2005537439 A 20051208; JP 4683607 B2 20110518; KR 100922944 B1 20091022; KR 20040081432 A 20040921; MX PA04005576 A 20041206; WO 03050433 A2 20030619; WO 03050433 A3 20040115

DOCDB simple family (application)

US 1549301 A 20011212; AR P020104826 A 20021212; AT 02792345 T 20021206; AU 2002357804 A 20021206; BR 0214885 A 20021206; CA 2469826 A 20021206; CN 02824795 A 20021206; DE 60235495 T 20021206; EP 02792345 A 20021206; ES 02792345 T 20021206; JP 2003551442 A 20021206; KR 20047009111 A 20021206; MX PA04005576 A 20021206; US 0239431 W 20021206